

## Factor analysis supplementary information

### Novel object test

The FA yielded a KMO measure of 0.657. Bartlett's test of sphericity (chi square (28)=179.742,  $p<0.0005$ ) indicated that the data were suitable for a PCA. Three factors were extracted during the analysis that explained 79.91% of the variance. Factor one was named "looking at and exploring object", factor two "anxiety/conflict like behaviour" and factor three "time spent near the object".

Table 1: Behaviour variables loadings on the three factors of interest extracted.

Behaviour	factor one: looking at and exploring object	factor two: anxiety/conflict like behaviour	factor three: time spent near the object
SOD	0.93		
GTOD	0.908		
SOF	0.886		
SGF		0.884	
SGD		0.838	
LLF		0.724	
NOF			0.893
NOD			0.709

SOD=sniffing object duration GTOD=gaze towards the object duration SOF=sniffing object frequency SGF=self-grooming frequency SGD=self-grooming duration LLF=lip licking frequency NOF=near object frequency NOD=near object duration